alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU2

2" Square Wall Wash Standard White

WW BEAM (Note: Specifications are subject to change without notice)		
9mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
07LM	730LM @30K/90CRI	11W
10LM	1070LM @30K/90CRI	16W
15LM	1600LM @30K/90CRI	25W
Notes	Delivered lumens based on wall wash optic, (see page 2)	



FEATURES

- Asymmetric angled bezel with highly efficient BrightView elliptical lens produces excellent wall washing
- 3/8" bezel regress with 3/8" flange
- Custom finishes available
- Microban® antimicrobial finish available on all exposed painted surfaces

DIMMING AND CONTROLS

- eldoLED 0-10V, 0.1% and 1%
- BAA - BABA compliant, flicker free 0-10V dim to 1%
- eldoLED DALI, dim to 0.1% and 1%
- DMX-512/RDM dim to 0%
- Lutron Hi-Lume Ecosystem, dim to 1% and 0.1%
- Leading & trailing edge (Triac/ELV), dim to 0%
- NLight control interface dimming to 0%
- Wireless control options, dim to 1% (Ref. page 10)

CONSTRUCTION

- High-grade die-cast and cold forged aluminum alloy assembly with superior thermal and corrosion resistant properties
- Shatter proof acrylic bezel lens
- 20-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 5/8"
- **CUTOUT DIMENSION:**
  Trim - 2-3/4" x 2-3/4"
  Trimless - 2-3/4" x 2-3/4"
  Millwork - 2-5/8" x 2-5/8"

LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs

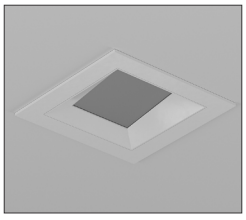
LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

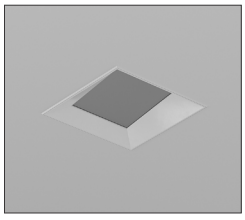
ELECTRICAL

- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

TRIM OPTIONS



Trimmed

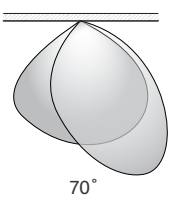


Trimless



Trimless Millwork

BEAM SPREADS



alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE

SERIES	**NU2**	NU2	
TYPE	**SW**	square wall wash	
	SWT[1]	square wall wash trimless	
	SWTM[1]	square wall wash trimless milllwork	
LED	**SW**	standard white	
DELIVERED LUMENS	**07LM**	730 lm	
	10LM	1070 lm	
	15LM	1600 lm	
	Standard Configuration: 3000K 90CRI **Calculated Delivered Lumens =** [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]		
CCT	**22K**	2200K	
	24K	2400K	
	CCT: 2200K / 2400K; CRI: 90+ / 90+; CCT MULTIPLIER FOR LUMEN OUTPUT: 0.71 / 0.77		
	27K	2700K	
	30K	3000K	
	35K	3500K	
	40K	4000K	
	CCT: 2700K / 3000K / 3500K / 4000K; CRI: 90+ / 90+ / 90+ / 90+; CCT MULTIPLIER FOR LUMEN OUTPUT: 0.96 / 1 / 1.01 / 1.02		
CRI	**90**	90 CRI	
OPTIC & LM MULTIPLIER	**WW**	wall wash with diffused angle bending lens	
TRIM COLOR	**BK**	black	(0.98)
	WH	white	(1.00)
	MC	matte chrome	(0.99)
	BZ	bronze	(0.98)
	CC[2]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		
	Not applicable to trimless option. Do not include in trimless ordering code.		
BEZEL COLOR	**BK**	black	(0.98)
	WH	white	(1.00)
	MC	matte chrome	(0.99)
	BZ	bronze	(0.98)
	CC[2]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		

ORDERING CODE

MOUNTING OPTIONS	**NC**	new construction plate
	NC-F	new construction plate, fixed driver
	NCINH[3]	new construction with ceiling fitting plate, IC rated, inherently protected
	IC[4]	insulation contact housing
	ICAT[4]	insulation contact/airtight housing
	CP[4]	chicago plenum housing
	RET	retrofit, no ceiling plate
	RETINH[3]	retrofit, no ceiling fitting plate, IC rated, inherently protected
VOLTAGE	**120**	120V
	UNV	120V-277V
	LVL[5]	low voltage luminaire
DIMMING	**DIM10**	eldoLED flicker free 0-10V dim to 1%
	BDIM10[6]	BAA – BABA compliant, flicker free 0-10V dim to 1%
	DIM10Z	eldoLED flicker free 0-10V dim 0.1%
	DALI	eldoLED flicker free DALI-2 dim to 1%
	DALIZ	eldoLED flicker free DALI-2 dim to 0.1%
	LUTP[7]	Lutron Hi-Lume Eco (fade) dim to 0.1%
	ELV1[8, 9]	leading edge & trailing edge (Triac/ELV) dim to 1%
	DMX-RJ45	DMX control dimming to 0.1% with RJ45 connection
	DMX-WL	DMX-512/RDM dim to 0% with lead wire input
	DMX-XLR	DMX-512/RDM dim to 0% with XLR input
	NLT	nLight control interface: Cat-5/RJ45, dim to off
	WIRELESS	(ref. page 10 for available options)
ELECTRICAL OPTIONS	**EM7**	remote emergency battery, 90 min at 7W
	EM12	remote emergency battery, 90 min at 12W
	EM10CA20	emergency battery backup, 90 minutes at 10W to LED, CA title 20

YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU2 - SW - SW - 15LM - 30K - 90 - WW - WH - WH - NC - UNV - DIM10 - EM7

COMPATIBILITY - MOUNTING / ACCESSIBILITY / DIMMING

DIMMING	NC-F FIXED	NC FLOATING	IC FLOATING	ICAT FLOATING	CP FLOATING	RET FLOATING
DIM10	✔	✔	✔	✔	✔	✔
BDIM10	✔	✔	✔	✔	✔	✔
DIM10Z	✔					
DALI	✔	✔	✔	✔	✔	✔
DALIZ	✔	✔	✔	✔	✔	✔
LUTP	✔	✔	✔	✔	✔	✔
ELV1	✔	✔	✔	✔	✔	✔
DMX	✔					
NLT	✔					
ND	REMOTE POWER SUPPLY					

Fixed driver - above ceiling access required (grid / T-Bar ceiling)

Floating driver - below ceiling accessible (gypsum / hard lid ceiling)

NOTES

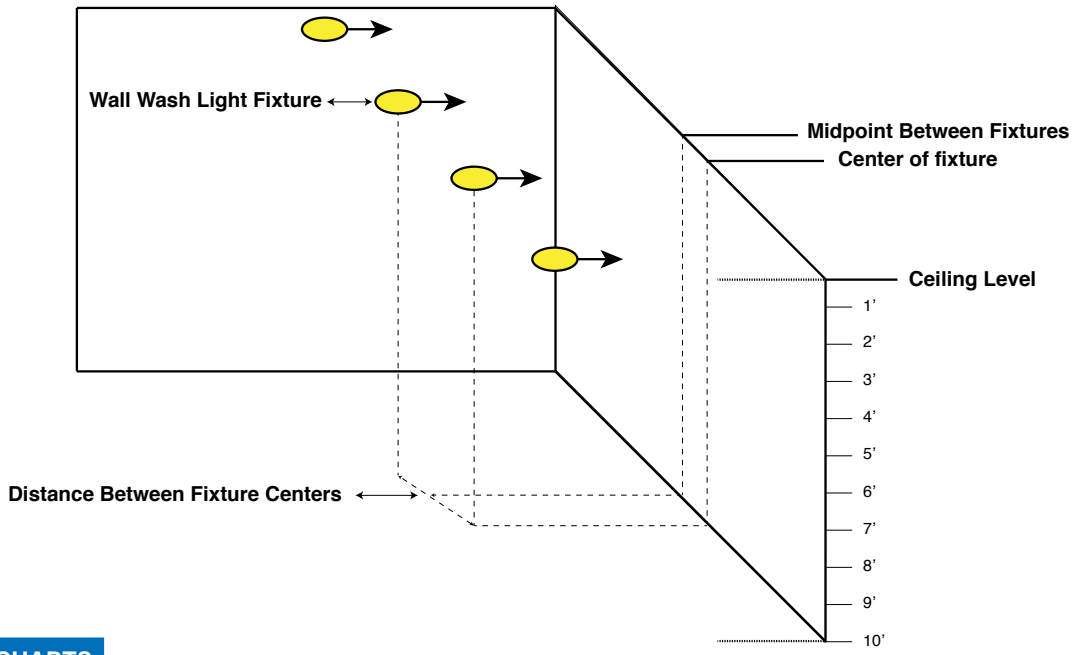
1. Available in 07LM/10LM and DIM10/BDIM10 only, floating single knockout box.
2. Custom set up fee plus minimum quantity required per color.
3. RETINH/NCINH available in 07LM.
4. IC/ICAT/CP not available in 15LM.
5. Must select ND dimming code, for remote driver or POE specifications see page 9.
6. BDIM10 not available in 15LM.
7. LUTP not available in 15LM.
8. ELV1 available in 120V.
9. Available in NC-F for SWT/SWTMW.

* EldoLED uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA DIAGRAM



PHOTOMETRIC DATA CHARTS

FOOT CANDLE MEASUREMENT

STANDARD WHITE WALL WASH 15LM 90CRI 3000K																		
MOUNTING DISTANCE	2' FROM WALL						3' FROM WALL						4' FROM WALL					
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		4' ON CENTER		2' ON CENTER		3' ON CENTER		4' ON CENTER		3' ON CENTER		4' ON CENTER		6' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	121.8	118.2	94.6	66.8	90.5	31.7	21.1	20.8	17.5	14.4	16.6	4.5	6	5.9	4.5	4.6	3.7	2.3
2'	209.8	204.9	154.2	125.7	138.3	74.6	82.7	79	66.1	56.6	58.8	24.4	39.7	39	30.4	29.6	23.7	16.7
3'	129.5	130	91.9	86.7	76.7	58.4	93.2	91.1	73.7	66.6	61.5	33.2	65.5	65.4	51.3	49.1	38.5	29
4'	69.3	70.5	49.8	49.4	39.5	36.1	69.9	69.8	54.6	52.6	42.7	29.5	66.6	67.3	52.4	51.2	38.5	31.4
5'	38.1	39	28.2	28.5	22.2	21.7	46.9	47.3	36.7	36.5	27.2	22.4	54.1	54.9	42.9	42.7	30.8	27.4
6'	22.2	22.7	17.1	17.3	13.5	13.5	30.8	31.4	24.5	24.7	17.6	16	40.3	41.1	32.4	32.5	23	21.7
7'	13.7	14	10.9	11.1	8.8	8.9	20.5	21	16.6	16.9	11.8	11.4	29.1	29.8	23.7	24	16.9	16.4
8'	8.9	9.1	7.3	7.5	6	6.1	14	14.4	11.6	11.8	8.3	8.2	20.9	21.4	17.3	17.6	12.4	12.4
9'	6	6.2	5.1	5.2	4.3	4.4	9.9	10.1	8.3	8.5	6	6	15.1	15.5	12.8	13	9.3	9.3
10'	4.3	4.3	3.7	3.8	3.1	3.2	7.1	7.3	6	6.2	4.5	4.5	11.1	11.4	9.5	9.7	7.1	7.1

STANDARD WHITE WALL WASH 10LM 90CRI 3000K																		
MOUNTING DISTANCE	2' FROM WALL						3' FROM WALL						4' FROM WALL					
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		4' ON CENTER		2' ON CENTER		3' ON CENTER		4' ON CENTER		3' ON CENTER		4' ON CENTER		6' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	81.1	78.7	63	44.5	60.3	21.1	14	13.8	11.7	9.6	11	3	4	3.9	3	3.1	2.5	1.5
2'	139.7	136.4	102.6	83.7	92.1	49.7	55	52.6	44	37.7	39.1	16.2	26.4	26	20.3	19.7	15.8	11.1
3'	86.2	86.6	61.2	57.7	51.1	38.9	62.1	60.6	49.1	44.3	40.9	22.1	43.6	43.5	34.2	32.7	25.6	19.3
4'	46.2	47	33.1	32.9	26.3	24	46.5	46.5	36.3	35	28.4	19.6	44.4	44.8	34.9	34.1	25.7	20.9
5'	25.4	26	18.8	19	14.8	14.4	31.2	31.5	24.4	24.3	18.1	14.9	36.1	36.6	28.6	28.4	20.5	18.3
6'	14.8	15.1	11.4	11.6	9	9	20.5	20.9	16.3	16.4	11.7	10.7	26.8	27.4	21.5	21.6	15.3	14.4
7'	9.1	9.3	7.3	7.4	5.9	5.9	13.7	14	11	11.2	7.9	7.6	19.4	19.8	15.8	16	11.2	10.9
8'	5.9	6.1	4.9	5	4	4.1	9.3	9.6	7.7	7.9	5.5	5.5	13.9	14.3	11.5	11.7	8.3	8.2
9'	4	4.1	3.4	3.5	2.8	2.9	6.6	6.7	5.5	5.6	4	4	10.1	10.3	8.5	8.7	6.2	6.2
10'	2.8	2.9	2.4	2.5	2.1	2.1	4.7	4.8	4	4.1	3	3	7.4	7.6	6.3	6.5	4.7	4.7

NOTE

1. Performance based on typical reflectance values and room dimensions. IES files available at ledrabrands.com

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

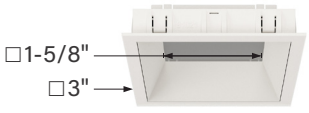
TRIM OPTIONS

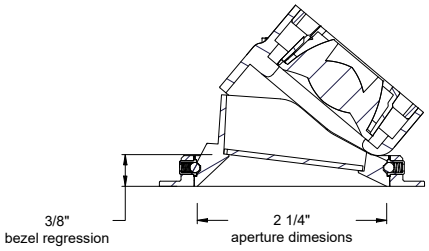
TRIM/BEZEL COLORS

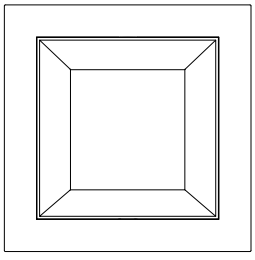


WH MC BK BZ CC

TRIMMED





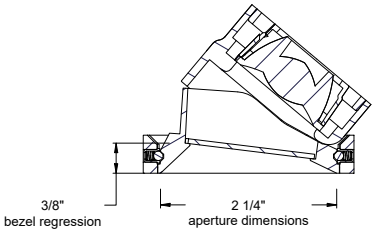


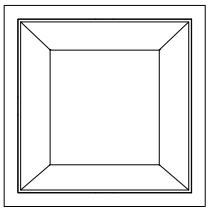
ceiling cutout
2-3/4" diameter

ceiling thickness
1/8" to 5/8"

MILLWORK



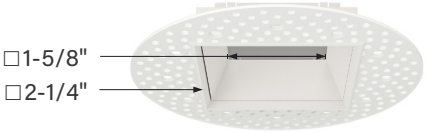


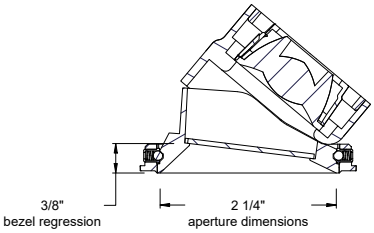


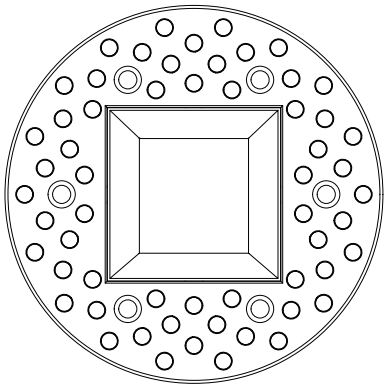
ceiling cutout
2-5/8" diameter

ceiling thickness
1/2"

TRIMLESS







ceiling cutout
2-3/4" diameter

ceiling thickness
3/8" to 5/8"

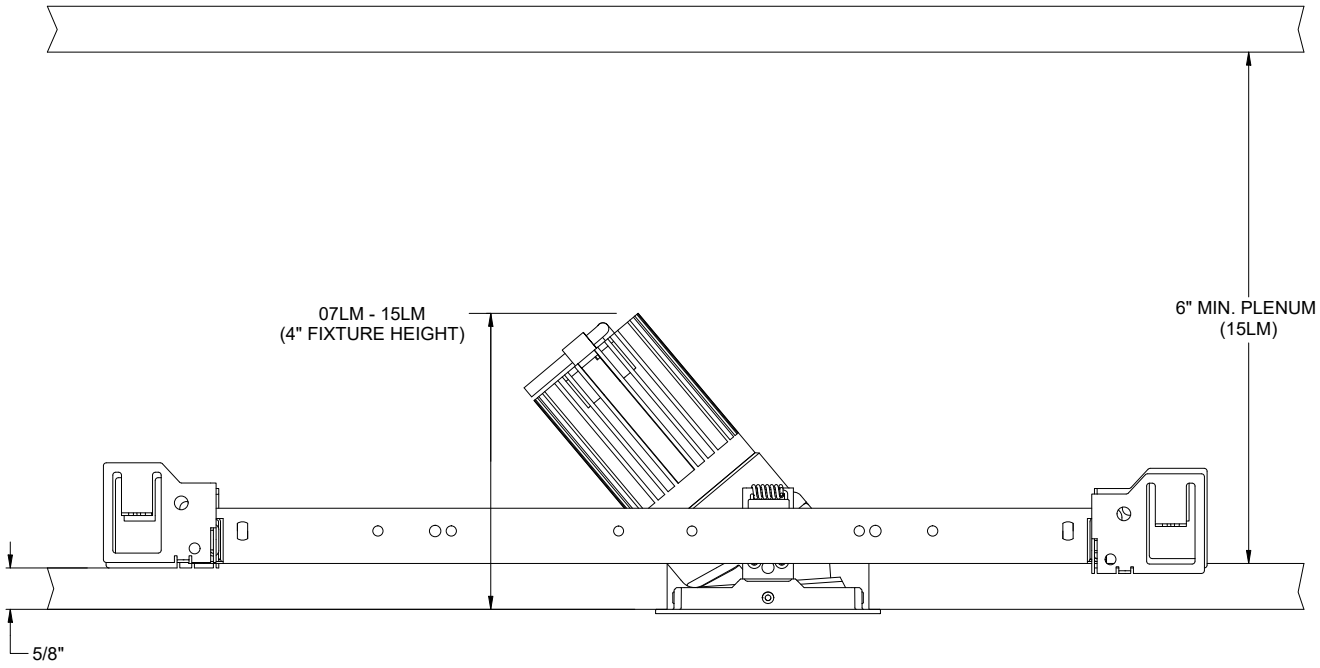
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

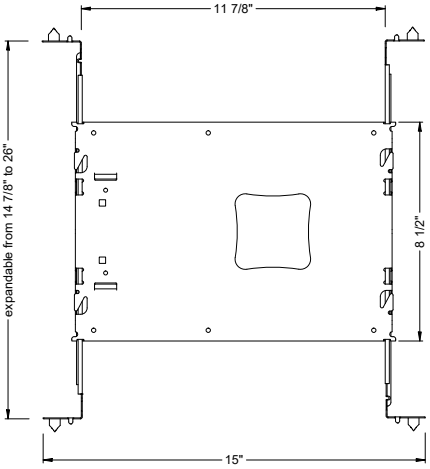
RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	CP
TYPE NON-IC	✔	✔			
TYPE IC			✔	✔	✔
CHICAGO PLENUM (CCEA)					✔
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283				✔	✔

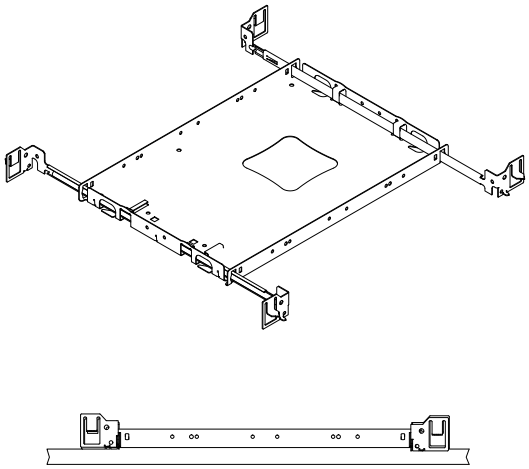
MOUNTING TYPE	STANDARD CEILING THICKNESS	STANDARD CEILING CUTOUT
TRIM	1/8" to 5/8"	2-3/4"
TRIMLESS	3/8" to 5/8"	2-3/4"
MILLWORK (TRIMLESS)	1/2"	2-5/8"

PLENUM HEIGHT



NEW CONSTRUCTION - NC





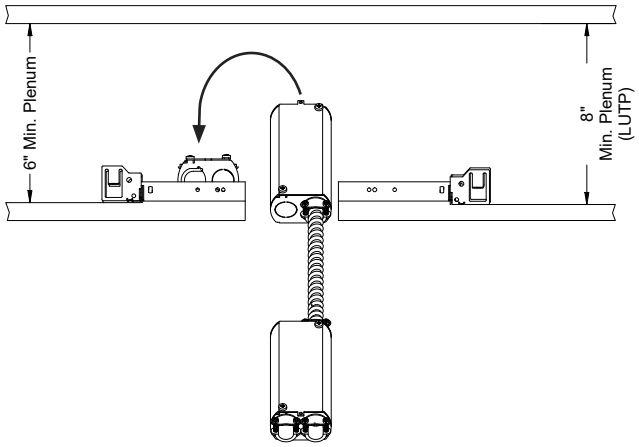
ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

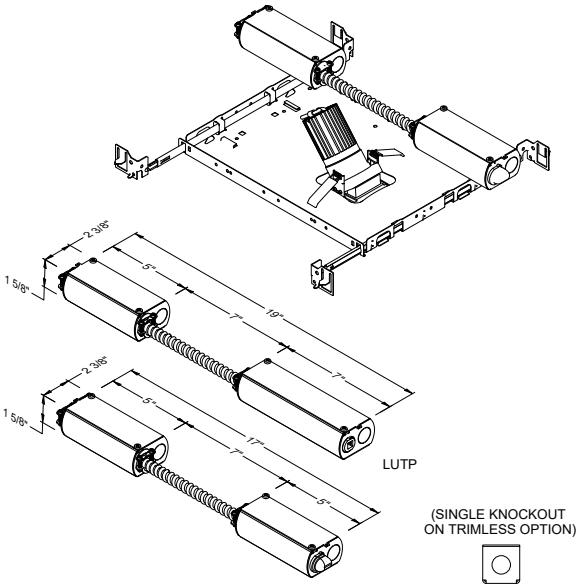
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

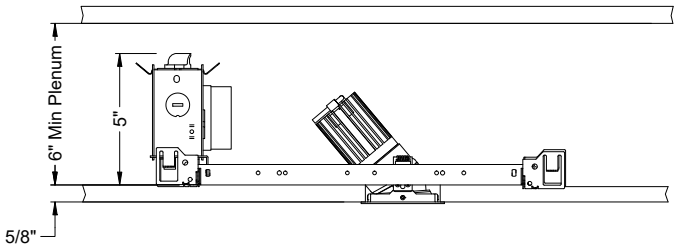
MOUNTING OPTIONS

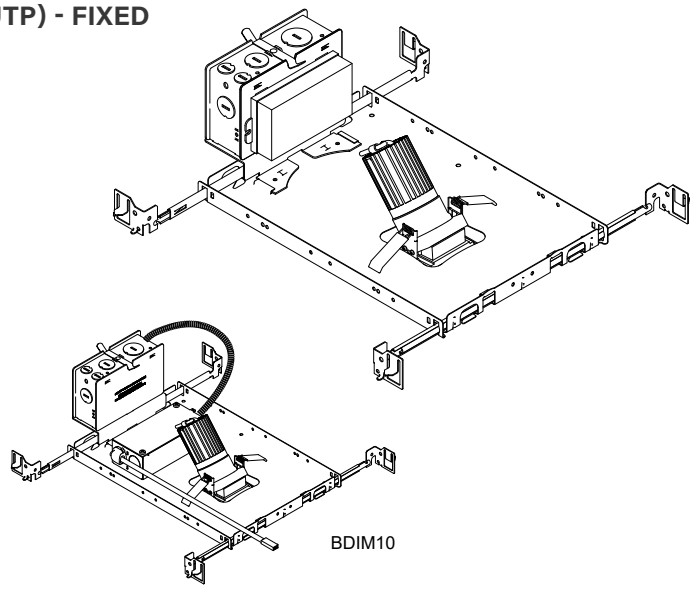
07LM-15LM (DIM10 / BDIM10 / DALI / ELV1 / LUTP) - FLOATING
(BELOW CEILING ACCESSIBLE)



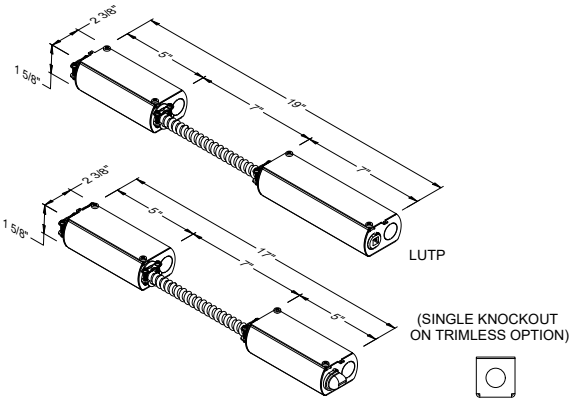


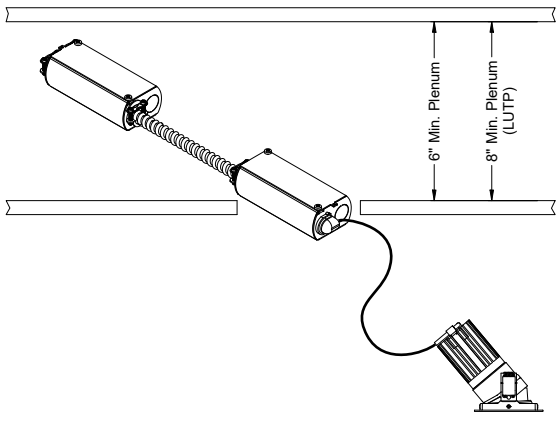
07LM-15LM (DIM10 / BDIM10 / DIM10Z / DALI / DALIZ / ELV1 / LUTP) - FIXED
(ABOVE CEILING ACCESS REQUIRED)





07LM-15LM (DIM10 / BDIM10 / DALI / ELV1 / LUTP) - FLOATING
(BELOW CEILING ACCESSIBLE)

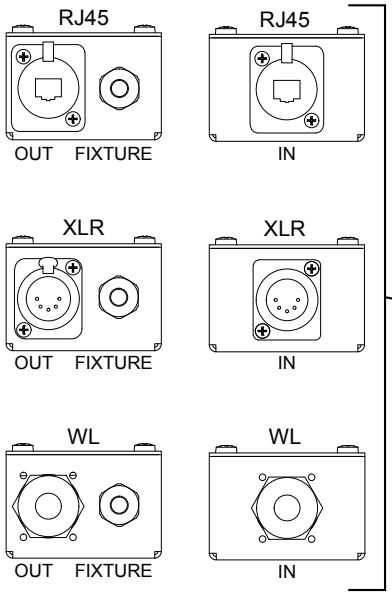


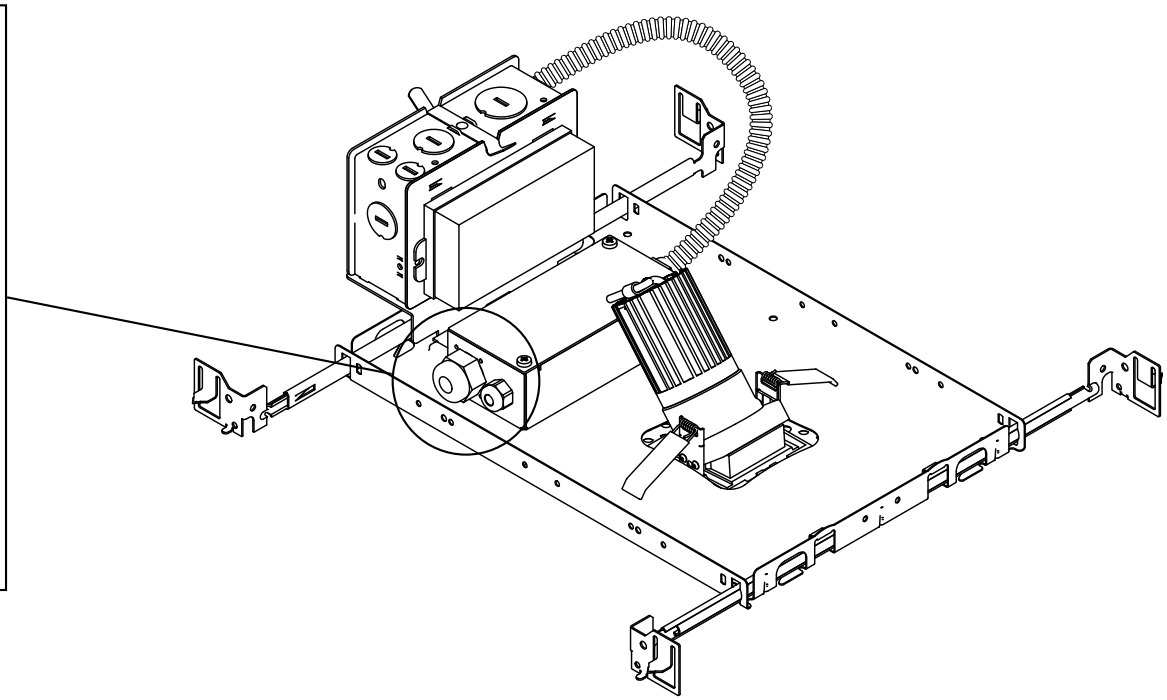


PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

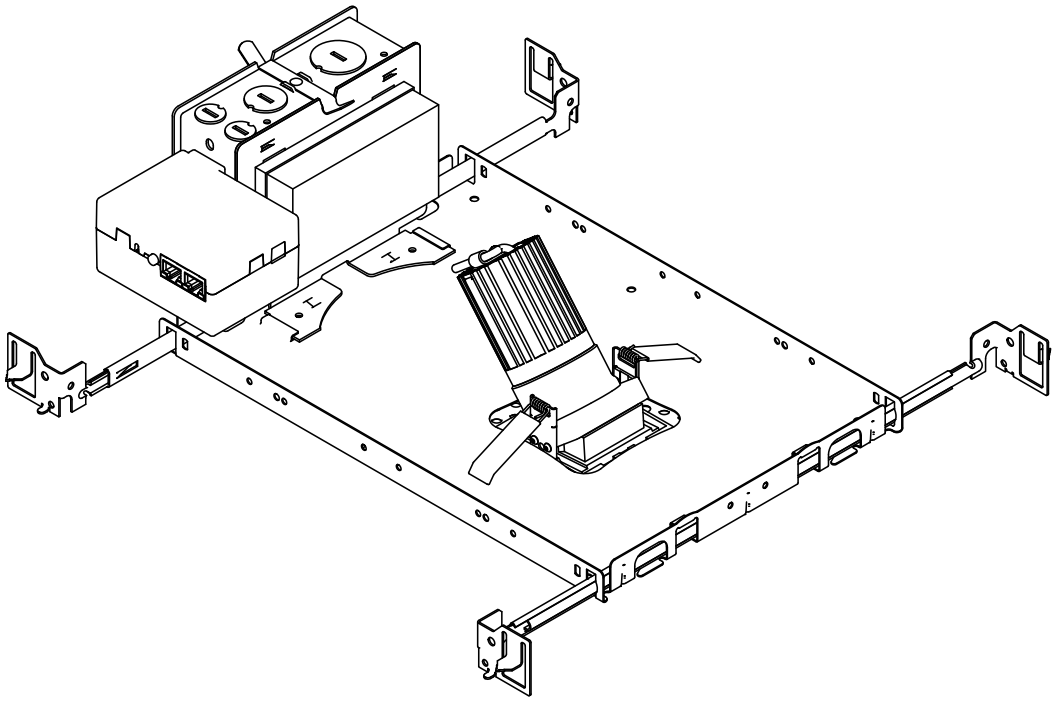
MOUNTING OPTIONS

07LM-15LM (DMX) - FIXED
(ABOVE CEILING ACCESS REQUIRED)





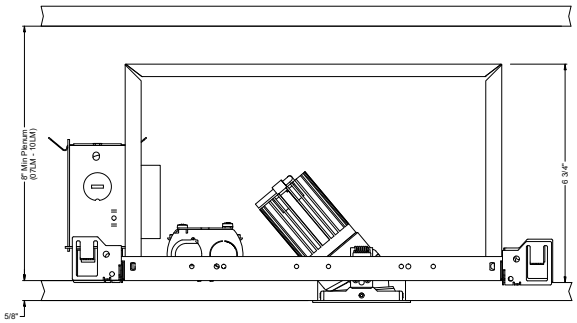
07LM-15LM (NLT) - FIXED
(ABOVE CEILING ACCESS REQUIRED)

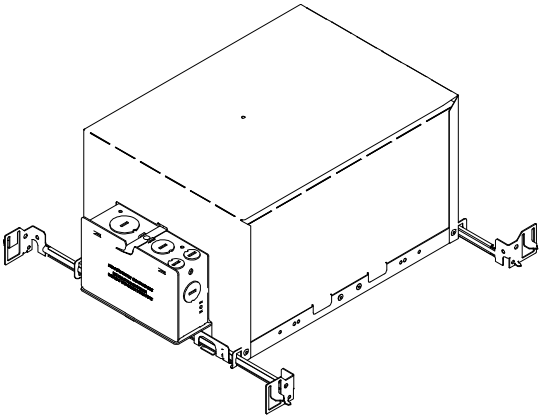


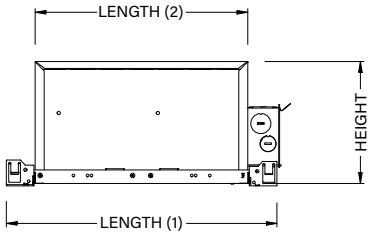
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

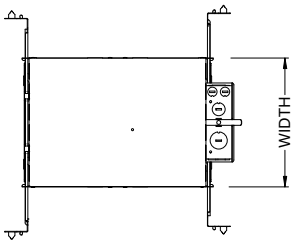
MOUNTING OPTIONS

IC - INSULATION CONTACT | ICAT - INSULATION CONTACT / AIR TIGHT | CP - CHICAGO PLENUM — FLOATING
(DIM10 / DIM10Z / DALI / DALIZ / LUTP / ELV1 / ND)









BOX SIZE	L 1	L 2	W	H
A	15-7/16"	11-3/4"	8-1/2"	6-3/4"

BOX TYPE / LUMEN OUTPUT - NARROW BEAM (8°-12°)			
LUMEN OUTPUT	BOX-A		
	CP	IC	ICAT
07LM	✔	✔	✔
10LM	✔	✔	✔
15LM			

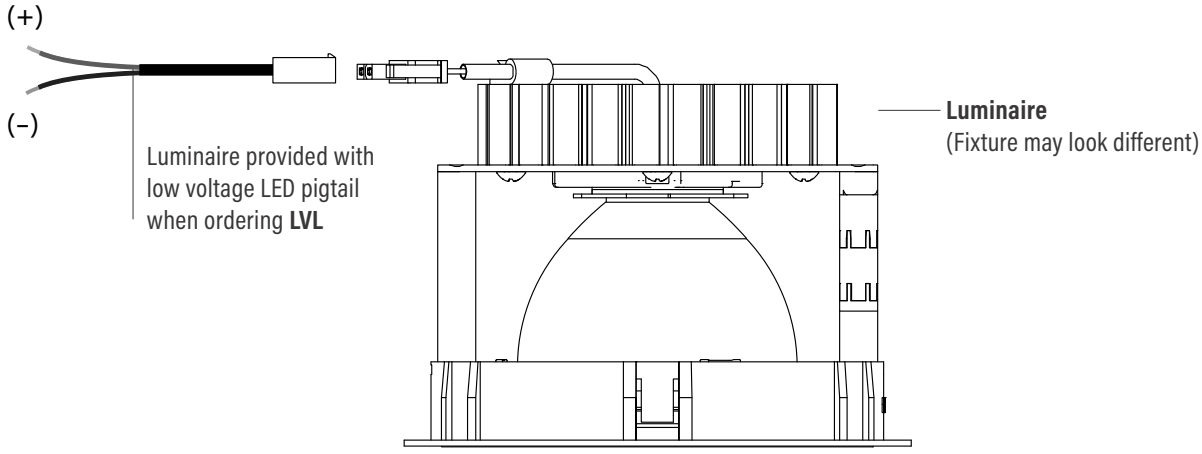
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

LOW VOLTAGE OPTIONS

WW BEAM (Note: Specifications are subject to change without notice)			
9mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
07LM	730LM @30K/90CRI	250mA	9W
10LM	1070LM @30K/90CRI	375mA	13.5W
15LM	1600LM @30K/90CRI	600mA	22W
Notes	Delivered lumens based on wall wash optic, (see page 2)		

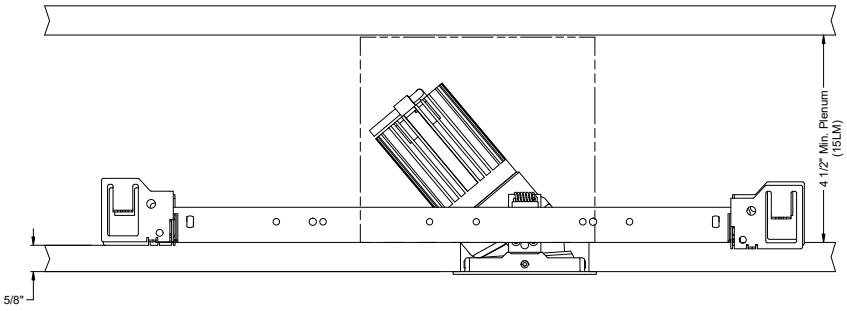
NOMINAL LED VOLTAGE: 36VDC

Customer to order CC Remote Driver separately or POE Node by others.

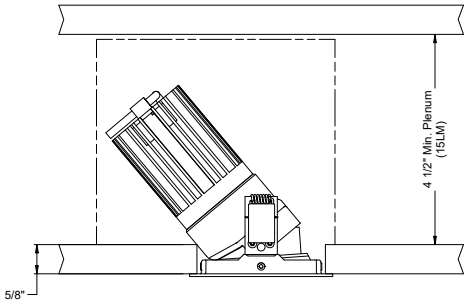


PLENUM HEIGHT

(NC-LVL-ND) NEW CONSTRUCTION REMOTE DX PANEL



(RET-LVL-ND) REMOTE DX PANEL RETRO



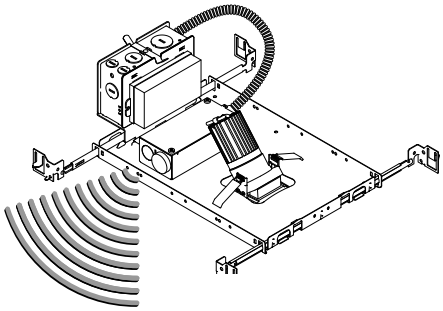
**Ref. DX panel specification sheet for remote driver options.*

alphabet

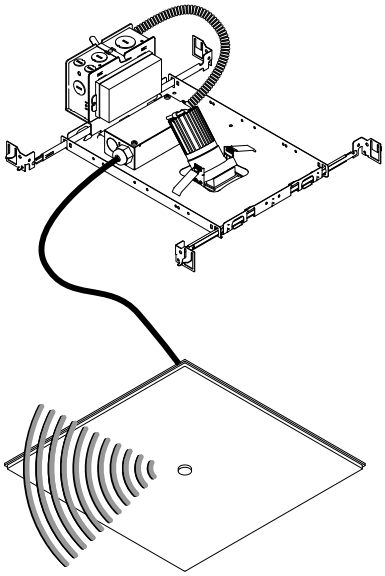
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

WIRELESS OPTIONS

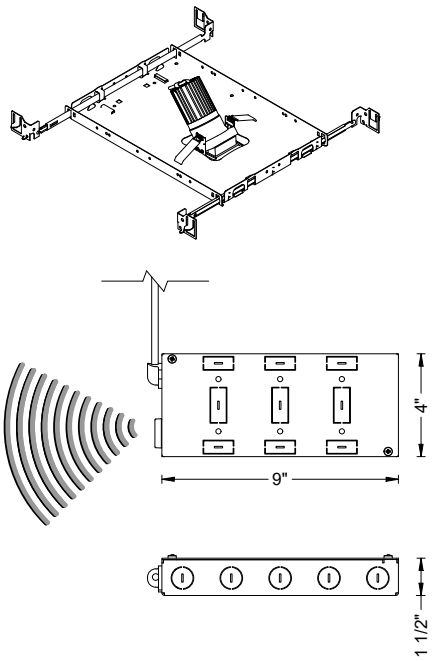
NC - NEW CONSTRUCTION - FIXED PLENUM SIDE



NC - NEW CONSTRUCTION - FIXED R CEILING SIDE



NC - NEW CONSTRUCTION DX REMOTE



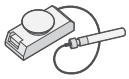
Customer must verify system design and installation with their controls provider (e.g., Lutron). Wireless signal strength, reliability, performance, and commissioning are the responsibility of the customer. Remote DX can power LEDs up to 330FT (18 AWG), but adequate wireless signal is customers responsibility.

YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NU2 - SW - SW - 15LM - 30K - 90 - WW - WH - WH - NC - UNV - AWN
NU2 - SW - SW - 15LM - 30K - 90 - WW - WH - WH - NC - UNV - AWN - DX

nLIGHT

ORDERING CODE

NLTA . . . . . nlight air wireless device (0-10V Driver) - integrated / above ceiling
NLTA-DX . . . nlight air wireless device (0-10V Driver) - remote DX Compact Driver



MODEL NUMBER

nlight air model #: RIO-ZT-180D-G2

POWER SUPPLY

(0-10V Driver): ELDOled 0-10V Optotronic LED driver with Aux Power, Dim-to-off

LUTRON Athena

ORDERING CODE

AWN . . . . . athena wireless node (0-10V Driver) - integrated / above ceiling
AWN-DX . . . athena wireless node (0-10V Driver) - remote DX Compact Driver
AWND . . . . . athena wireless node (DALI2 Driver) - integrated / above ceiling
AWND-DX . . athena wireless node (DALI2 Driver) - remote DX Compact Driver
AWND-R . . . athena wireless OCC Sensor / 4FT lead (DALI2 Driver) - ceiling installation



MODEL NUMBER

athena node model #: A-WN-D01-RF
athena OCC model #: A-WN-D01-OCC-WH

POWER SUPPLY

(0-10V Driver): ELDOled 0-10V Optotronic LED driver with Aux Power, Dim-to-off
(DALI2 Driver): Moons D4i DALI2 LED driver with DALI Bus Power, Dim-to-off

legrand WATTSTOPPER® PLUS

ORDERING CODE

CLM . . . . . connected lighting module (0-10V Driver) - integrated / above ceiling
CLM-DX . . . . connected lighting module (0-10V Driver) - remote DX Compact Driver
CLMD . . . . . connected lighting module (DALI2 Driver) - integrated / above ceiling
SENSI-R . . . SensiLUM sensor / 4FT lead (DALI2 Driver) - ceiling installation



MODEL NUMBER

CLM model #: ZBHA-CLM-DIM
SensiLUM sensor model #: EN-CLM-PIR-DD-ZB

POWER SUPPLY

(0-10V Driver): ELDOled 0-10V Optotronic LED driver with Aux Power, Dim-to-off
(DALI2 Driver): Moons D4i DALI2 LED driver with DALI Bus Power, Dim-to-off

CASAMBI

ORDERING CODE

CAS . . . . . Casambi wireless controller (0-10V Driver) - integrated / above ceiling
CAS-DX . . . . Casambi wireless controller (0-10V Driver) - remote DX Compact Driver



MODEL NUMBER

Casambi model #: CBU-ARP-LR

POWER SUPPLY

(0-10V Driver): ELDOled 0-10V Optotronic LED driver with Aux Power, Dim-to-off

101507

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

BATTERY OPTIONS

EMERGENCY BATTERY

Battery Backups are UL Listed LED emergency drivers that allow the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the ILB switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single can. The Constant Power design of the ILB maintains the output wattage to the LED array even as the system voltage diminishes. UL 924 Listed for U.S. and Canada. UL 1310 Certified, Output Class 2 Compliant. Includes single-piece TBTS test switch and charge indicator accessory kit. For use with switched and unswitched fixtures, and includes Two-wire universal AC input. Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements. Rated for use in Plenum, Damp Location, Recessed Type IC, and Enclosed and Gasketed Luminares.

REMOTE TEST SWITCH

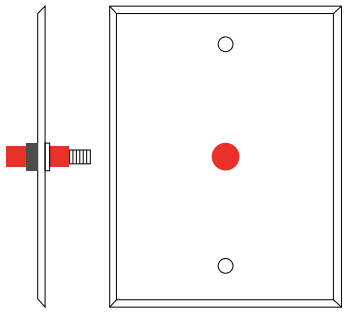
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is required for service. An access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery is required.

REMOTE LOCATION

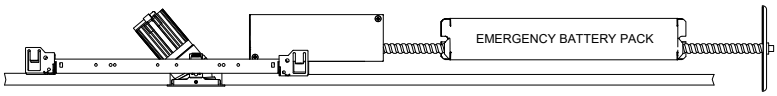
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



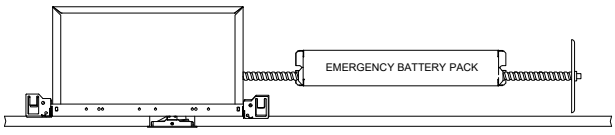
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (07LM TO 15LM)	510	720	870
Notes: Based on 30K, 90CRI			

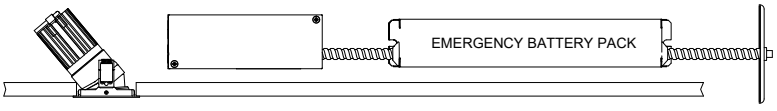
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



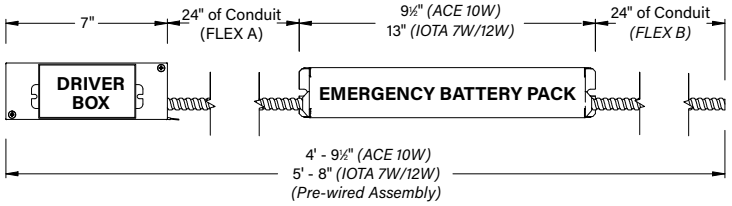
IC / ICAT / CP - INSULATION CONTACT HOUSING
WITH EM BATTERY (REMOTE TEST SWITCH)



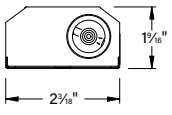
RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



REMOTE BATTERY DIMENSIONS



EMERGENCY BATTERY PACK



DRIVER BOX

